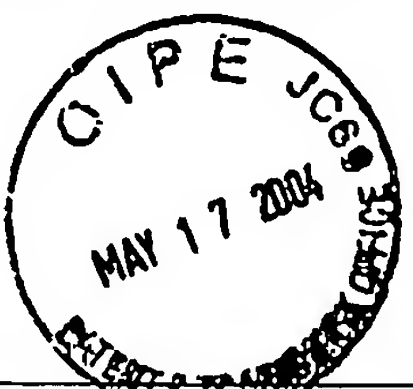


Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT 	Atty. Docket No. 03-772	Serial No. 10/655,878
	Applicant: Somberg, et al.	
	Filing Date: September 5, 2003	Group: 1651

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date
CDP	1.	5,648,232 A	07/15/1997	D.J. Squirrell			
CDP	2.	6,319,898 B1	11/20/2001	Davies, et al.			

FOREIGN PATENT DOCUMENTS


		Document Number	Date	Country	Class	Subclass	Translation Yes No	
CDP	3.	WO 02/48390 A2	06/20/2002	WIPO-PCT				

OTHER DOCUMENTS - Including Author, Title, Date, Pertinent Pages, Etc.

CDP	4.	Kapoor, et al., "Pyruvate Kinase of Neurospora Crasse. Effect of Various Ligands on the Rate of Inactivation by Protein Denaturants", <i>Can. J. Microbiol.</i> , 1972, Vol. 18, No. 8, pp. 1221-1232.						
-----	----	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--	--	--	--

Examiner Clark D. Petersen	Date Considered 6/1/2006
-------------------------------	-----------------------------


EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT 	Atty. Docket No. 03-772	Serial No. 10/655,878
	Applicant: Somberg, et al.	
	Filing Date: September 5, 2003	Group: 1651

CDP	12.	Lehel, et al., <i>Analytical Biochemistry</i> , 1997, Vol. 244, pp. 340-346.
CDP	13.	Lundin, et al., <i>Analytical Biochemistry</i> , 1976, Vol. 75, pp. 611-620.
CDP	14.	McDonald, et al., <i>Analytical Biochemistry</i> , 1999, Vol. 268, pp. 318-329.
CDP	15.	Näslund, et al., <i>Clinical Chemistry</i> , 1998, Vol. 44, No. 9, pp. 1964-1973.
CDP	16.	Promega Corporation Technical Bulletin No. 318, "Kinase-Glo™ Luminescent Kinase Assay", December 2002.
CDP	17.	Robbins, et al., <i>The Journal of Biological Chemistry</i> , March 5, 1993, Vol. 268, No. 7, pp. 5097-5106.

Examiner Clark D. Petersen	Date Considered 6/1/2006
-------------------------------	-----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT 	Atty. Docket No. 03-772	Serial No. 10/655,878
	Applicant: Somberg, et al.	
	Filing Date: September 5, 2003	Group: 1651

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date
CDP	1.	6,599,711 B2	07/29/03	Crouch, et al.	435	15	12/14/01

FOREIGN PATENT DOCUMENTS


		Document Number	Date	Country	Class	Subclass	Translation Yes No	
CDP	2.	0 022 432	01/14/81	EP				

OTHER DOCUMENTS - Including Author, Title, Date, Pertinent Pages, Etc.

CDP	3.	Brolin, et al., <i>Journal of Bioluminescence and Chemiluminescence</i> , 1989, Vol. 4, pp. 446-453.						
CDP	4.	Brovko, et al., <i>Biokhimiya</i> , May 1978, Vol. 43, No. 5, pp. 798-805.						
CDP	5.	Eriksson, et al., <i>Analytical Biochemistry</i> , 2001, Vol. 293, pp. 67-70.						
CDP	6.	Eu, et al., <i>Analytical Biochemistry</i> , 1999, Vol. 271, pp. 168-176.						
CDP	7.	Gonzalez, et al., <i>Analytical Biochemistry</i> , 1993, Vol. 215, pp. 184-189.						
CDP	8.	Handa, et al., <i>Analytical Biochemistry</i> , 1980, Vol. 102, pp. 332-339.						
CDP	9.	Hanocq-Quertier, et al., <i>Journal of Bioluminscence and Chemiluminiscence</i> , 1988, Vol. 2, pp. 17-24.						
CDP	10.	Karamohamed, et al., <i>Analytical Biochemistry</i> , 1999, Vol. 271, pp. 81-85.						
CDP	11.	Khokhlatchev, et al., <i>The Journal of Biological Chemistry</i> , April 25, 1997, Vol. 272, No. 17, pp. 11057-11062.						

Examiner Clark D. Petersen	Date Considered 6/1/2006
-------------------------------	-----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT 	Atty. Docket No. 03-772	Serial No. 10/655,878
	Applicant: Somberg, et al.	
	Filing Date: September 5, 2003	Group: 1651

U.S. PATENT DOCUMENTS

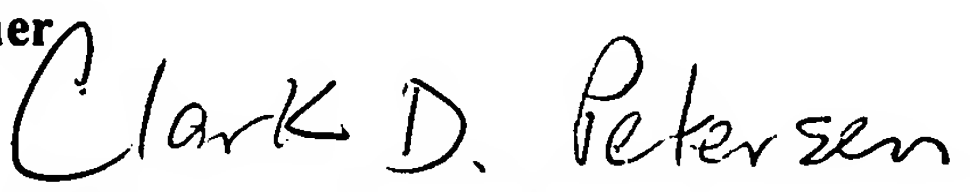
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS - Including Author, Title, Date, Pertinent Pages, Etc.

CDP	1.	Ahn, et al., <i>J. Neurochem.</i> , July 1992, Vol. 59, No. 1, pp. 147-56 (abstract only).
CDP	2.	Babcook, et al., <i>Anal. Biochem.</i> , Aug. 1, 1991, Vol. 196, No. 2, pp. 245-251 (abstract only).
CDP	3.	Bachy, et al., <i>Journal of Immunological Methods</i> , 1999, Vol. 230, pp. 37-46.
CDP	4.	Branchini, et al., <i>Biochemistry</i> , 1999, Vol. 38, pp. 13223-13230.
CDP	5.	Branchini, et al., <i>Biochemistry</i> , 2000, Vol. 39, pp. 5433-5440.
CDP	6.	Builder, et al., <i>The Journal of Biological Chemistry</i> , April 25, 1980, Vol. 255. No. 8, pp. 3514-3519.
CDP	7.	Cho, et al., <i>The Oncologist</i> , 1996, Vol. 1, pp. 120-124.
CDP	8.	Cohen, et al., <i>Analytical Biochemistry</i> , 1999, Vol. 273, pp. 89-97.
CDP	9.	D'Atri, et al., <i>Int. J. Tiss. Reac.</i> , 1986, Vol. VIII (5), pp. 383-390.

Examiner 	Date Considered 6/1/2006
-------------------------------------------------------------------------------------------------	-----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Atty. Docket No.	Serial No.
	03-772	10/655,878
	Applicant: Somberg, et al.	
	Filing Date: September 5, 2003	Group: 1651

CDP	10.	Decker, et al., <i>Journal of Immunological Methods</i> , 1988, Vol. 25, pp. 61-69.
CDP	11.	Devine, et al., <i>Biochemica et Biophysica Acta</i> , 1993, Vol. 1173, pp. 121-132.
CDP	12.	Eu, et al., <i>Analytical Biochemistry</i> , 1999, Vol. 271, pp. 168-176.
CDP	13.	Feutren, et al., <i>Journal of Immunological Methods</i> , 1984, Vol. 75, pp. 85-94.
CDP	14.	Glass, et al., <i>J. Biol. Chem.</i> , October 10, 1979, Vol. 254, No. 19, pp. 9728-9738 (abstract only).
CDP	15.	Golding, et al., <i>The Journal of Experimental Biology</i> , 1995, Vol. 198, pp. 1775-1782.
CDP	16.	Handa, et al., <i>Analytical Biochemistry</i> , 1980, Vol. 102, pp. 332-339.
CDP	17.	Handa, et al., <i>Plant Physiol.</i> , 1977, Vol. 59, pp. 490-496.
CDP	18.	Karamohamed, et al., <i>Biotechniques</i> , April 1999, Vol. 26, pp. 728-734.
CDP	19.	Karp, et al., <i>Biomolecular Engineering</i> , 1999, Vol. 16, pp. 101-104.
CDP	20.	Kuo, et al., <i>Advances in Cyclic Nucleotide Research</i> , Vol. 2, 1972, pp. 41-50.
CDP	21.	Lehel, et al., <i>Analytical Biochemistry</i> , 1997, Vol. 244, pp. 340-346.
CDP	22.	McDonald, et al., <i>Analytical Biochemistry</i> , 1999, Vol. 268, pp. 318-329.
CDP	23.	Nociari, et al., <i>Journal of Immunological Methods</i> , 1998, Vol. 213, pp. 157-167.
CDP	24.	Olsson, et al., <i>Journal of Applied Biochemistry</i> , 1983, Vol. 5, pp. 437-445.
CDP	25.	Pastorino, et al., <i>The Journal of Biological Chemistry</i> , October 29, 1999, Vol. 274, No. 44, pp. 31734-31739.
CDP	26.	Sala-Newby, et al., <i>FEBS</i> , July 1992, Vol. 307, No. 2, pp. 241-244.
CDP	27.	Seethala, et al., <i>Analytical Biochemistry</i> , November 15, 1997, Vol. 253 (2), pp. 210-218 (abstract only).
CDP	28.	Seethala, et al., <i>Analytical Biochemistry</i> , 1998, Vol. 255, pp. 257-262.
CDP	29.	Seeger, et al., <i>The Journal of Biological Chemistry</i> , July 15, 1992, Vol. 267, No. 20, pp. 14373-14381.
CDP	30.	Tatsumi, et al., <i>Analytical Biochemistry</i> , 1996, Vol. 243, pp. 176-180.

Examiner Clark D. Petersen	Date Considered 6/1/2006
--------------------------------------	------------------------------------


EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Atty. Docket No. 03-772	Serial No. 10/655,878
	Applicant: Somberg, et al.	
	Filing Date: September 5, 2003	Group: 1651

CDP	31.	Teague, et al., <i>The Journal of Experimental Biology</i> , 1996, Vol. 199, pp. 509-512.
CDP	32.	Anders Thore, <i>Science Tools</i> , 1979, Vol. 26, No. 2, pp. 30-34.
CDP	33.	White, et al., <i>Biochem J.</i> , 1996, Vol. 319, pp. 343-350.
CDP	34.	Kasatori, et al., <i>Jpn J Clin Pathol</i> , 1994, Vol. 42, pp. 1050-1054.

Examiner Clark D. Petersen	Date Considered 6/1/2006
-------------------------------	-----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT 	Atty. Docket No. 03-772	Serial No. 10/655,878
	Applicant: Somberg, et al.	
	Filing Date: September 5, 2003	Group: 1651

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date
CDP	1	4,390,274	6/28/83	Berthold et al.	356	36	1/10/80
CDP	2	5,741,635	4/21/98	Boss et al.	435	4	1/30/96

FOREIGN PATENT DOCUMENTS

e		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
CDP	3	DE 37 86 279 T2	6/23/93	Germany			X (abstract)	
CDP	4	DE 689 05 373 T2	3/17/93	Germany			X (abstract)	
CDP	5	DE 689 12 950 T2	2/02/94	Germany			X (abstract)	
CDP	6	DE 694 09 830 T2	4/22/98	Germany			X (abstract)	
CDP	7	DE 694 12 790 T2	8/26/98	Germany			X (abstract)	
CDP	8	WO 97/48803	12/24/97	PCT				
CDP	9	WO 98/37096	8/27/98	PCT				
CDP	10	WO 98/39444	9/11/98	PCT				
CDP	11	WO 99/26657	6/03/99	PCT				
CDP	12	WO 99/09199	2/25/99	PCT				
CDP	13	WO 00/50631	8/31/00	PCT				

Examiner Clark D. Petersen	Date Considered 6/1/2006
-------------------------------	-----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 03-772	Serial No. 10/655,878
THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Applicant: Somberg, et al.	
	Filing Date: September 5, 2003	Group: 1651

OTHER DOCUMENTS - Including Author, Title, Date, Pertinent Pages, Etc.

CDP	14	Alexandre et al., <i>Journal of Virological Methods</i> , Vol. 66, pp. 113-123, 1997.
CDP	15	Bessho et al., <i>J. Nutr. Sci. Vitaminol.</i> , Vol. 34, pp. 607-614, 1988.
CDP	16	Handa et al., <i>Analytical Biochemistry</i> , Vol. 102, pp. 332-339, 1980.
CDP	17	Idahl et al., <i>Analytical Biochemistry</i> , Vol. 155, pp. 177-181, 1986.
CDP	18	Ugarova et al., <i>Analytical Biochemistry</i> , Vol. 158, pp. 1-5, 1986.

Examiner Clark D. Petersen	Date Considered 6/1/2006
--------------------------------------	------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number

Substitute for form 1449/APTO

**4th SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT BY
APPLICANT**

(Use as many sheets as necessary)

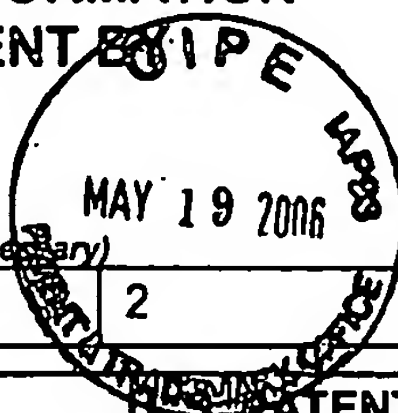
Sheet

1

2

Complete if Known

Application Number	10/655,878
Filing Date	September 5, 2003
First Named Inventor	Somberg
Art Unit	1651
Examiner Name	C. Petersen
Attorney Docket Number	03-772

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
CDF	1	US- 6,911,319	6/28/05	Crouch et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Country Code ³ "Number" ⁴ "Kind Code" ⁵ (if known)				
CDF	2	WO 02/48390	6/20/02	Lumitech UK Ltd.		

Examiner
Signature

Date
Considered

6/1/2006

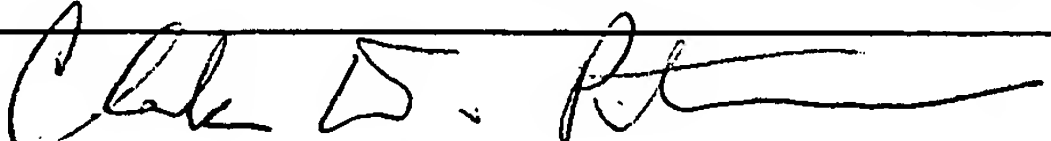
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number.

Substitute for form 1449B/PTO 4th SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/655,878		
		Filing Date	September 5, 2003		
		First Named Inventor	Somberg		
		Art Unit	1651		
		Examiner Name	C. Petersen		
Sheet	2	of	2	Attorney Docket Number	03-772

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CD	3	KAPOOR ET AL., Pyruvate Kinase of Neurospora crassa: effect of various ligands on the rate of inactivation by protein denaturants, Canadian Journal of Microbiology, 1972, pp. 1221-1232, Vol. 18, NRC Research Press - National Research Council of Canada, Ottawa, Canada.	

Examiner Signature		Date Considered	6/1/2006
-----------------------	--------------------------------------------------------------------------------------	--------------------	----------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.